

METHOD AND SYSTEM FOR PROVIDING CONTROLLED IMPAIRMENTS  
TO AN OPTICAL TRANSPORT SYSTEM

ABSTRACT OF THE DISCLOSURE

An optical stream is split into a primary optical stream and a secondary optical stream. The secondary optical stream is converted to an electrical signal. The electrical signal is processed to identify a particular portion of the optical stream. The primary optical stream is delayed to provide a delayed optical stream. The particular portion of the delayed optical stream is modified to provide a controlled impairment.